



Press Release

dSPACE and EB: From System Design to Production-Ready AUTOSAR Software for Electronic Control Units

Efficient work with dSPACE SystemDesk, dSPACE TargetLink, and EB tresos Studio

Paderborn, Erlangen, March 2, 2010:— dSPACE and EB (Elektrobit) a leading developer of cutting-edge embedded technology solutions for automotive and wireless industries, today announced further harmonization of their AUTOSAR tools. This cooperation offers developers of automotive electronic control unit (ECU) software a coordinated tool chain. Using the integrated AUTOSAR modeling and simulation environment SystemDesk, the TargetLink production ready code generator, and the EB tresos Studio configuration tool, developers can efficiently use a model-based approach to designing software, culminating in production-ready AUTOSAR ECU software. Data exchange between the tools is based on AUTOSAR XML files. By cooperating in this field, dSPACE and EB are sending out a clear signal in favor of interface standardization and tool interoperability. Developers can now benefit even more easily from the advantages of the AUTOSAR standard for automotive development projects, for example a high degree of software interchangeability and reusability.

The starting point for designing the AUTOSAR software architecture of ECUs is dSPACE SystemDesk. The graphical representation of components simplifies the development even of complex systems. The dSPACE TargetLink production code generator allows developers to insert the ECU functionality into the application components of the software architecture modeled with SystemDesk. TargetLink is based on the block-diagram-based Simulink[®] development tool. The AUTOSAR basic software core is generated with the tool EB tresos Studio. The system information that the ECU requires for this is imported from SystemDesk into EB tresos Studio, and the AUTOSAR basic software is correspondingly preconfigured. The completion of the configuration and subsequent generation of source code in EB tresos Studio leads to the production-ready ECU basic softwarecore, EB tresos AutoCore. The final AUTOSAR-compliant software can then be integrated into an ECU.

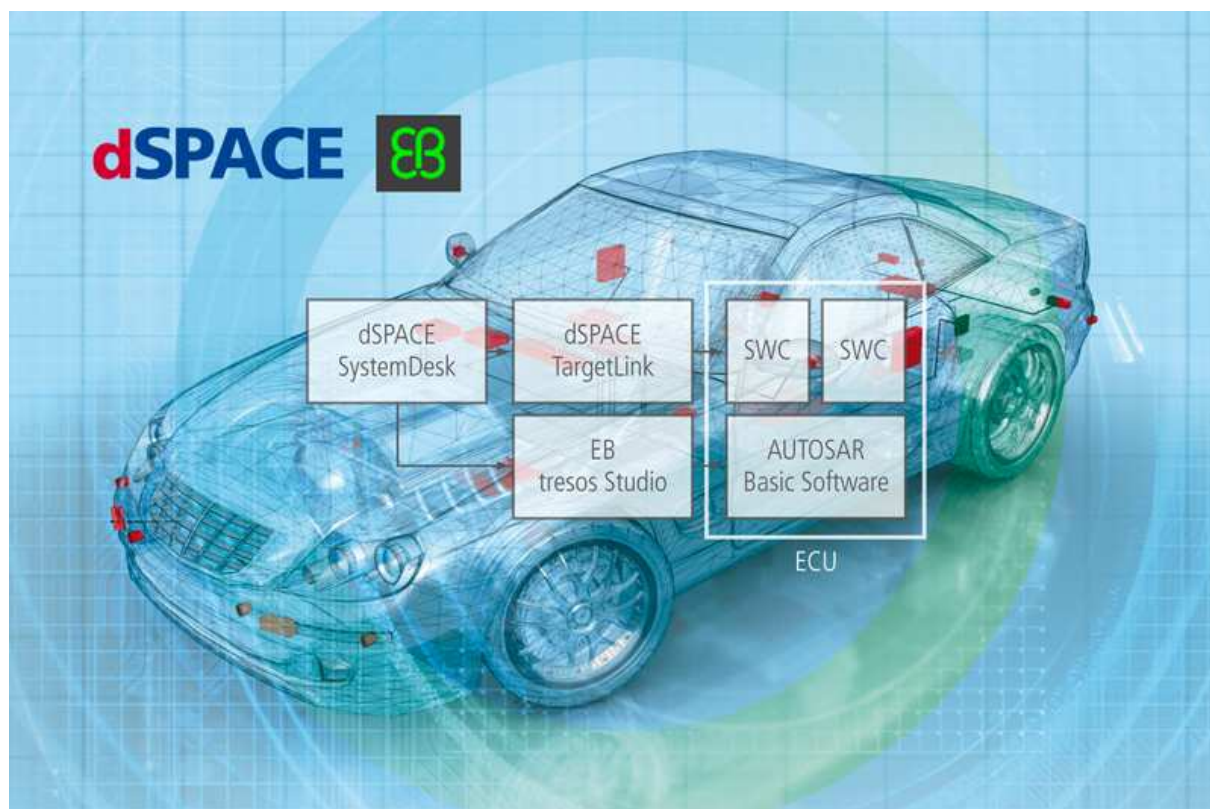


Fig1: The interplay of SystemDesk, TargetLink, and EB tresos Studio simplifies the creation of ECU software according to AUTOSAR.

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http://www.elektrobit.com/whats_new/press_releases

EB, Elektrobit Corporation

EB develops advanced technology and transforms it into enriching end user experiences. EB specializes in demanding embedded software and hardware solutions for the automotive industry and wireless technologies. The company's net sales for the year 2009 totalled EUR 153.8 million. Elektrobit Corporation is listed on NASDAQ OMX Helsinki. www.elektrobit.com

EB's Automotive Software Business

EB's Automotive Software Business has established itself internationally as one of the most important suppliers of embedded software solutions for the automotive industry. In addition to the development of innovative products, it also specializes in services and consulting for the automotive industry, supplying implementations of serial software solutions for a broad range of AUTOSAR and FlexRay, Infotainment, Navigation, HMI and Driver Assistance systems.

About dSPACE

dSPACE develops and distributes tools for the development of ECUs and mechatronic systems worldwide. Using dSPACE systems, manufacturers of controllers and electronic control units (ECUs) are able to dramatically reduce their development times and costs, and systematically increase their productivity.

dSPACE has over 800 employees worldwide at its headquarters in Paderborn, at the Project Centers in Munich and Stuttgart, and also in the USA, France, the UK, Japan and China. In addition, numerous distributors provide customer support in other countries.

Further Information: www.dspace.com